

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 4, 2003, 10:00:56 ; Search time 17 seconds
(without alignments)
789,227 Million cell updates/sec

Title: US-09-723-722A-43

Perfect score: 2419
Sequence: 1 ETDEEPEPCRGSGFVEHVD.....CLRLROOHDDFADISLLK 456

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/1/1aa/5A-COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B-COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A-COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B-COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/PCTUS-COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	2419	100.0	501	4	US-09-548-372D-4
2	2419	100.0	501	4	US-09-548-367D-4
3	2413	99.8	501	4	US-09-009-191-2
4	2390	98.8	501	4	US-09-713-158-2
5	2390	98.8	501	4	US-09-548-372D-8
6	2390	98.8	501	4	US-09-548-367D-8
7	2320	95.9	774	4	US-09-009-191-4
8	2264.5	93.6	476	4	US-09-548-372D-6
9	2264.5	93.6	476	4	US-09-548-367D-6
10	2238.5	92.5	476	4	US-09-548-372D-73
11	2238.5	92.5	476	4	US-09-548-367D-73
12	2160	89.3	453	4	US-09-548-372D-30
13	2160	89.3	453	4	US-09-548-367D-30
14	2160	89.3	453	4	US-09-548-372D-32
15	2160	89.3	453	4	US-09-548-367D-32
16	2155	89.1	433	4	US-09-548-372D-26
17	2155	89.1	433	4	US-09-548-367D-26
18	2155	89.1	448	4	US-09-548-372D-22
19	2155	89.1	448	4	US-09-548-367D-22
20	2155	89.1	459	4	US-09-548-372D-24
21	2155	89.1	459	4	US-09-548-367D-24
22	2090.5	86.4	425	4	US-09-548-367D-28
23	2090.5	86.4	425	4	US-09-548-367D-28
24	2005.5	82.9	428	4	US-09-548-372D-51
25	2005.5	82.9	428	4	US-09-548-367D-51
26	2005.5	82.9	434	4	US-09-548-372D-53
27	2005.5	82.9	434	4	US-09-548-367D-53

28	1171.5	48.4	518	3	US-08-999-723-2	Sequence 2, Appl
29	1171.5	48.4	518	4	US-09-434-427-2	Sequence 2, Appl
30	1171.5	48.4	518	4	US-09-548-372D-2	Sequence 2, Appl
31	1171.5	48.4	518	4	US-09-548-367D-2	Sequence 2, Appl
32	1146.5	47.4	514	4	US-09-717-432-2	Sequence 2, Appl
33	1146.5	47.4	514	4	US-09-912-484-2	Sequence 2, Appl
34	298.5	12.4	396	1	US-08-208-007A-13	Sequence 13, Appl
35	298.5	12.4	396	4	US-09-032-523-9	Sequence 9, Appl
36	298.5	12.4	396	4	US-08-915-093A-13	Sequence 13, Appl
37	298.5	12.4	396	4	US-08-798-096-13	Sequence 13, Appl
38	298.5	12.4	396	4	US-08-798-096-13	Sequence 13, Appl
39	295.5	12.2	412	1	US-08-208-007A-12	Sequence 12, Appl
40	295.5	12.2	412	1	US-08-974-691-4	Sequence 4, Appl
41	295.5	12.2	412	4	US-08-915-095A-12	Sequence 12, Appl
42	295.5	12.2	412	4	US-08-798-096-12	Sequence 12, Appl
43	295.5	12.2	412	4	US-08-798-095A-12	Sequence 12, Appl
44	279.5	11.6	458	6	5217891-15	Patent No. 5217891
45	273.5	11.3	409	1	US-09-640-305-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-09-548-372D-4
; Sequence 4, Application US/09548372D
; Patent No. 6420534
; GENERAL INFORMATION:
; APPLICANT: GURNEY ET AL.
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USE
; FILE REFERENCE: 29915/62801
; CURRENT APPLICATION NUMBER: US/09/548,372D
; CURRENT FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: US 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-548-372D-4

Query Match 100.0%; Score 2419; DB 4; Length 501;
Best Local Similarity 100.0%; Pred. No. 1.1e-251;
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ETDEEPEPCRGSGFVEHVDNLGRKSGQGYVYVMTYVSPPTLNILVDTGSSNFVAGAP	60
Db	46	ETDEEPEPCRGSGFVEHVDNLGRKSGQGYVYVMTYVSPPTLNILVDTGSSNFVAGAP	105
Qy	61	HPFLHRYQRLSTYRDLRKGVYVYVTOGKEGELGTLVSIPIHGPVNYVRANTAITE	120
Db	106	HPFLHRYQRLSTYRDLRKGVYVYVTOGKEGELGTLVSIPIHGPVNYVRANTAITE	165
Qy	121	SDKFFINGSMWEGILGLAYAEIARPDSDLEPFDSLVKQTHVPNLFSLQLCAGFPLNOS	180
Db	166	SDKFFINGSMWEGILGLAYAEIARPDSDLEPFDSLVKQTHVPNLFSLQLCAGFPLNOS	225
Qy	181	EVLASVGSMTIIGIDHSLVLTGSLWYTPTRREWYVEVIIVRVEINGODLKMCKEYNDK	240
Db	226	EVLASVGSMTIIGIDHSLVLTGSLWYTPTRREWYVEVIIVRVEINGODLKMCKEYNDK	285
Qy	241	SIVDSGTTNLRPLPKKVFEEAVKSIKAASSTKEKFPDGFMLGELVCMQAGTTPWNIFFPVIS	300
Db	286	SIVDSGTTNLRPLPKKVFEEAVKSIKAASSTKEKFPDGFMLGELVCMQAGTTPWNIFFPVIS	345

SEQID:6 is SEQIDNO:2
of the instant application

QY 301 LYLMEVNTNQSFRITILPQOYLRLPVEDVATSDQDCYKFAISQSSTGTVMGAVIMEGFYV 360
DB 346 LYLMEVNTNQSFRITILPQOYLRLPVEDVATSDQDCYKFAISQSSTGTVMGAVIMEGFYV 405
QY 361 FDRARKRIGFAVSACHVHDEFTAAVEGPFVTLDMEDCGYNIPQTDSTLMTIAYVMAAI 420
DB 406 FDRARKRIGFAVSACHVHDEFTAAVEGPFVTLDMEDCGYNIPQTDSTLMTIAYVMAAI 465
QY 421 CALFMLPLCLMVCOMRCLRLRQHQHDDFADDISLLK 456
DB 466 CALFMLPLCLMVCOMRCLRLRQHQHDDFADDISLLK 501
RESULT 2
US-09-548-367D-4
: Sequence 4, Application US/09548367D
: Patent No. 6440698
: GENERAL INFORMATION:
: APPLICANT: GURNEY ET AL.
: TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
: FILE REFERENCE: 29915/6380H
: CURRENT APPLICATION NUMBER: US/09/548,367D
: CURRENT FILING DATE: 2000-04-12
: PRIOR FILING DATE: 1999-09-23
: PRIOR FILING DATE: 1999-09-23
: PRIOR FILING DATE: 1999-09-23
: PRIOR FILING DATE: 1999-09-23
: PRIOR FILING DATE: 1999-09-23
: PRIOR FILING DATE: 1998-09-24
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 4
: LENGTH: 501
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-548-367D-4
Query Match 100.0%; Score 2419; DB 4; Length 501;
Best Local Similarity 100.0%; Pred. No. 1.1e-251;
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ETDEEPEEPPGRGGSFVEMVNDLNRCKSGQYVYVEMTVGSPPTLNILVDTGSSNFAYGAAP 60
DB 46 ETDEEPEEPPGRGGSFVEMVNDLNRCKSGQYVYVEMTVGSPPTLNILVDTGSSNFAYGAAP 105
QY 61 HPFLHRYQRLSTYRDLRKGYYVPYVTOCKWEGELGTLVSIHPGPNVTVRANIAAITE 120
DB 106 HPFLHRYQRLSTYRDLRKGYYVPYVTOCKWEGELGTLVSIHPGPNVTVRANIAAITE 165
QY 121 SDKFFINGSNMEGLGLAYAEIARPDSDLSLEFFDSLVKQTHVNPFLSLQLCGAGFPPLNOS 180
DB 166 SDKFFINGSNMEGLGLAYAEIARPDSDLSLEFFDSLVKQTHVNPFLSLQLCGAGFPPLNOS 225
QY 181 EVLASVSGSMIIGDHSYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNDK 240
DB 226 EVLASVSGSMIIGDHSYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNDK 285
QY 241 SIVDSGTTNLRPLPKKVEAAVSKAASSTKTEKPFDFGLCEQLVCHQAGTTPNNIFPVIS 300
DB 286 SIVDSGTTNLRPLPKKVEAAVSKAASSTKTEKPFDFGLCEQLVCHQAGTTPNNIFPVIS 345
QY 301 LYLMEVNTNQSFRITILPQOYLRLPVEDVATSDQDCYKFAISQSSTGTVMGAVIMEGFYV 360
DB 346 LYLMEVNTNQSFRITILPQOYLRLPVEDVATSDQDCYKFAISQSSTGTVMGAVIMEGFYV 405
QY 361 FDRARKRIGFAVSACHVHDEFTAAVEGPFVTLDMEDCGYNIPQTDSTLMTIAYVMAAI 420
DB 406 FDRARKRIGFAVSACHVHDEFTAAVEGPFVTLDMEDCGYNIPQTDSTLMTIAYVMAAI 465

QY 421 CALFMLPLCLMVCOMRCLRLRQHQHDDFADDISLLK 456
DB 466 CALFMLPLCLMVCOMRCLRLRQHQHDDFADDISLLK 501
RESULT 3
US-09-009-191-2
: Sequence 2, Application US/09009191
: Patent No. 6319689
: GENERAL INFORMATION:
: APPLICANT: POWELL, DAVID
: APPLICANT: CHAPMAN, CONRAD
: APPLICANT: MURPHY, KAY
: APPLICANT: SMITH, TRUDI
: TITLE OF INVENTION: ASP2
: NUMBER OF SEQUENCES: 6
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: RATNER & PRESTIA
: STREET: P.O. BOX 980
: CITY: VALLEY FORGE
: STATE: PA
: COUNTRY: USA
: ZIP: 19482
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/009,191
: FILING DATE: 20-JAN-1998
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: UK 9701684.4
: FILING DATE: 28-JAN-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: PRESTIA, PAUL F
: REGISTRATION NUMBER: 23,031
: REFERENCE/DOCKET NUMBER: GH-70368
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-407-0700
: TELEFAX: 610-407-0701
: TELEX: 846169
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 501 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-09-009-191-2
Query Match 99.8%; Score 2413; DB 4; Length 501;
Best Local Similarity 99.8%; Pred. No. 4.6e-251;
Matches 455; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ETDEEPEEPPGRGGSFVEMVNDLNRCKSGQYVYVEMTVGSPPTLNILVDTGSSNFAYGAAP 60
DB 46 ETDEEPEEPPGRGGSFVEMVNDLNRCKSGQYVYVEMTVGSPPTLNILVDTGSSNFAYGAAP 105
QY 61 HPFLHRYQRLSTYRDLRKGYYVPYVTOCKWEGELGTLVSIHPGPNVTVRANIAAITE 120
DB 106 HPFLHRYQRLSTYRDLRKGYYVPYVTOCKWEGELGTLVSIHPGPNVTVRANIAAITE 165
QY 121 SDKFFINGSNMEGLGLAYAEIARPDSDLSLEFFDSLVKQTHVNPFLSLQLCGAGFPPLNOS 180
DB 166 SDKFFINGSNMEGLGLAYAEIARPDSDLSLEFFDSLVKQTHVNPFLSLQLCGAGFPPLNOS 225
QY 181 EVLASVSGSMIIGDHSYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNDK 240
DB 226 EVLASVSGSMIIGDHSYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNDK 285
QY 241 SIVDSGTTNLRPLPKKVEAAVSKAASSTKTEKPFDFGLCEQLVCHQAGTTPNNIFPVIS 300